

*PL Wsch*

4. (Amended) An apparatus according to [any one of] claim[s] 1 [to 3], wherein said secret information is a private key for decrypting or forming a digital signature in a public key encryption technique.

5. (Amended) An apparatus according to [any one of] claim[s] 1 [to 4], wherein said arithmetic operation processing circuit executes said converting means at a predetermined timing.

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8. (Amended) A program according to claim 6 [or 7], further comprising converting means for converting said secret information forming information into another secret information forming information,

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and wherein said processing program of secret information outputs the same processing result as said processing result by using said another secret information forming information.

9. (Amended) A processing system of secret information for transmitting and receiving the processing result by using said secret information by using a processing apparatus of secret information according to [any one of] claim[s] 1 [to 5],

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wherein an apparatus on a receiver side of said processing result has means for setting said secret